

EXPRESS MAIL NO. EV 678997660 US

|                                                                                                   |   |                          |                     |                        |              |
|---------------------------------------------------------------------------------------------------|---|--------------------------|---------------------|------------------------|--------------|
| IDS Form PTO/SB/08: Substituted form 1449A/PTO                                                    |   | <b>Complete if Known</b> |                     |                        |              |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   | Application Number       | 09/803,081          |                        |              |
|                                                                                                   |   | Filing Date              | July 10, 2001       |                        |              |
|                                                                                                   |   | First Named Inventor     | DEMARAY, Richard E. |                        |              |
|                                                                                                   |   | Art Unit                 | 1731                |                        |              |
|                                                                                                   |   | Examiner Name            | HOFFMAN, John M.    |                        |              |
| Sheet                                                                                             | 1 | of                       | 1                   | Attorney Docket Number | 9140.0014-00 |

| U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS |                          |                                          |                                            |                                                    |                                                                                 |
|-----------------------------------------------------|--------------------------|------------------------------------------|--------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| Examiner<br>Initials                                | Cite<br>No. <sup>1</sup> | Document Number                          | Issue or<br>Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                                                     |                          | Number-Kind Code <sup>2</sup> (if known) |                                            |                                                    |                                                                                 |
| JH                                                  |                          | 5,478,456                                | 12-26-1995                                 | Humpal et al.                                      |                                                                                 |
| JH                                                  |                          | 6,846,765 B2                             | 01-25-2005                                 | Imamura et al.                                     |                                                                                 |
|                                                     |                          |                                          |                                            |                                                    |                                                                                 |

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

| FOREIGN PATENT DOCUMENTS |                          |                                                                                 |                                |                                                    |                                                                                    |                          |
|--------------------------|--------------------------|---------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|
| Examiner<br>Initials     | Cite<br>No. <sup>1</sup> | Foreign Patent Document                                                         | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | Translation <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |                                                    |                                                                                    |                          |
|                          |                          |                                                                                 |                                |                                                    |                                                                                    |                          |
|                          |                          |                                                                                 |                                |                                                    |                                                                                    |                          |
|                          |                          |                                                                                 |                                |                                                    |                                                                                    |                          |

| NON PATENT LITERATURE DOCUMENTS |                          |                                                                                                                                                                                                                                                                       |                          |
|---------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Examiner<br>Initials            | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item<br>(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),<br>publisher, city and/or country where published. | Translation <sup>6</sup> |
| JH                              |                          | DOREY, R.A., "Low temperature micromoulding of functional ceramic devices," Grant<br>summary for GR/S84156/01 for the UK Engineering and Physical Sciences Research<br>Council, 2 pages (2004).                                                                       |                          |
| JH                              |                          | HOWSON, R.P., "The reactive sputtering of oxides and nitrides," <i>Pure &amp; Appl. Chem.</i><br>66(6):1311-1318 (1994).                                                                                                                                              |                          |
| JH                              |                          | Office Action issued on August 4, 2005, in U.S. Serial No. 10/101,863 (Attorney<br>Docket No. 09140-0016-00).                                                                                                                                                         |                          |
| JH                              |                          | Office Action issued on August 8, 2005 in U.S. Serial No. 10/101,341 (Attorney Docket<br>No. 09140-0017-00).                                                                                                                                                          |                          |

|                       |                              |                    |  |
|-----------------------|------------------------------|--------------------|--|
| Examiner<br>Signature | /John Hoffmann/ (04/19/2006) | Date<br>Considered |  |
|-----------------------|------------------------------|--------------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



EXPRESS MAIL LABEL NO. EV 860818451 US

|                                                                                                   |   |                          |                     |                        |              |
|---------------------------------------------------------------------------------------------------|---|--------------------------|---------------------|------------------------|--------------|
| IDS Form PTO/SB/08: Substitute for form 1449A                                                     |   | <b>Complete if Known</b> |                     |                        |              |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   | Application Number       | 09/903,081          |                        |              |
|                                                                                                   |   | Filing Date              | July 10, 2001       |                        |              |
|                                                                                                   |   | First Named Inventor     | DEMARAY, Richard E. |                        |              |
|                                                                                                   |   | Art Unit                 | 1731                |                        |              |
|                                                                                                   |   | Examiner Name            | HOFFMAN, John M.    |                        |              |
| Sheet                                                                                             | 1 | of                       | 1                   | Attorney Docket Number | 9140.0014-00 |

| U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS |                          |                                          |                                            |                                                    |                                                                                 |
|-----------------------------------------------------|--------------------------|------------------------------------------|--------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| Examiner<br>Initials <sup>*</sup>                   | Cite<br>No. <sup>1</sup> | Document Number                          | Issue or<br>Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                                                     |                          | Number-Kind Code <sup>2</sup> (if known) |                                            |                                                    |                                                                                 |
|                                                     |                          | US 4,082,569                             | 04-04-1978                                 | Evans, Jr.                                         |                                                                                 |
|                                                     |                          | US 5,645,626                             | 07-08-1997                                 | Edlund et al.                                      |                                                                                 |
|                                                     |                          | US 5,702,829                             | 12-30-1997                                 | Paidassi et al.                                    |                                                                                 |
|                                                     |                          | US 6,045,626                             | 04-04-2000                                 | Yano et al.                                        |                                                                                 |
|                                                     |                          | US 2006/0054496 A1                       | 03-16-2006                                 | Zhang et al.                                       |                                                                                 |
|                                                     |                          | US 2006/0057283 A1                       | 03-16-2006                                 | Zhang et al.                                       |                                                                                 |
|                                                     |                          | US 2006/0057304 A1                       | 03-16-2006                                 | Zhang et al.                                       |                                                                                 |
|                                                     |                          | US 2006/0071592 A1                       | 04-06-2006                                 | Narasimhan et al.                                  |                                                                                 |

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

| FOREIGN PATENT DOCUMENTS          |                          |                                                                                 |                                |                                                    |                                                                                 |                          |
|-----------------------------------|--------------------------|---------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|
| Examiner<br>Initials <sup>*</sup> | Cite<br>No. <sup>1</sup> | Foreign Patent Document                                                         | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | Translation <sup>6</sup> |
|                                   |                          | Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |                                                    |                                                                                 |                          |
|                                   |                          |                                                                                 |                                |                                                    |                                                                                 |                          |

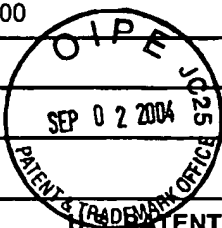
| NON PATENT LITERATURE DOCUMENTS   |                          |                                                                                                                                                                                                                                                                 |                          |
|-----------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Examiner<br>Initials <sup>*</sup> | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation <sup>6</sup> |
|                                   |                          | Final Office Action issued on May 19, 2006 in U.S. Application No. 10/789,953 (Attorney Docket No. 09140.0030-00).                                                                                                                                              |                          |

|                       |  |                    |         |
|-----------------------|--|--------------------|---------|
| Examiner<br>Signature |  | Date<br>Considered | 9-26-08 |
|-----------------------|--|--------------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

|                  |                  |            |            |
|------------------|------------------|------------|------------|
| Atty. Docket No. | 09140-0014-00000 | Appln. No. | 09/903,081 |
| Applicant        | Demaray et al.   |            |            |
| Filing Date      | July 10, 2001    | Group:     | 1731       |



| U.S. PATENT DOCUMENTS |                 |                         |                   |       |           |                            |
|-----------------------|-----------------|-------------------------|-------------------|-------|-----------|----------------------------|
| Examiner Initial*     | Document Number | Issue/ Publication Date | Name              | Class | Sub Class | Filing Date If Appropriate |
|                       | 5,607,560       | Mar. 4, 1997            | Hirabayashi et al | 204   | 192.15    |                            |
|                       | 5,755,938       | May 26, 1998            | Fukui et al.      | 204   | 298.23    |                            |
|                       | 5,830,330       | Nov. 3, 1998            | Lantsman          | 204   | 192.12    |                            |
|                       | 5,849,163       | Dec. 15, 1998           | Ichikawa et al.   | 204   | 192.23    |                            |
|                       | 5,942,089       | Aug. 24, 1999           | Sproul et al.     | 204   | 192.13    |                            |
|                       | 6,057,557       | May 2, 2000             | Ichikawa          | 257   | 59        |                            |
|                       | 6,488,822 B1    | Dec. 3, 2002            | Moslehi           | 204   | 192.12    |                            |
|                       | 2003/0022487 A1 | Jan. 30, 2003           | Yoon et al.       | 438   | 642       |                            |
|                       | 2003/0042131 A1 | Mar. 6, 2003            | Johnson           | 204   | 192.12    |                            |
|                       | 2003/0077914 A1 | Apr. 24, 2003           | Le et al.         | 438   | 763       |                            |
|                       | 2003/0079838 A1 | May 1, 2003             | Brcka             | 156   | 345.48    |                            |
|                       | 2003/0141186 A1 | Jul. 31, 2003           | Wang et al.       | 204   | 298.07    |                            |

| FOREIGN PATENT DOCUMENTS |                 |                  |         |       |           |                       |
|--------------------------|-----------------|------------------|---------|-------|-----------|-----------------------|
|                          | Document Number | Publication Date | Country | Class | Sub Class | Translation Yes or No |
|                          |                 |                  |         |       |           |                       |
|                          |                 |                  |         |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |
|------------------------------------------------------------------------|--|
|                                                                        |  |

|                                                                                                                                                                                                                                           |  |                                                           |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------|---------|
| Examiner                                                                                                                                                                                                                                  |  | Date Considered                                           | 9-26-08 |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |                                                           |         |
| Form PTO 1449                                                                                                                                                                                                                             |  | Patent and Trademark Office - U.S. Department of Commerce |         |